

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number:
WO 2005/073201 A1

(51) International Patent Classification⁷: C07D 265/10,
413/12, 213/64, A61K 31/5377, 31/5375, 31/4412, A61P
7/02

(21) International Application Number: PCT/EP2005/000083

(22) International Filing Date:
7 January 2005 (07.01.2005)

(25) Filing Language: German

(26) Publication Language: German

(30) Priority Data:
10 2004 004 731.6 30 January 2004 (30.01.2004) DE

(71) Applicant (for all designated States except US): MERCK
PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293
Darmstadt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MEDERSKI, Werner
[DE/DE]; Katzenelnbogenweg 1, 64673 Zwingenberg (DE).
TSAKLAKIDIS, Christos [GR/DE]; Im Langgewann 54,
69469 Weinheim (DE). DORSCH, Dieter [DE/DE];
Koenigsberger Strasse 17A, 64372 Ober-Ramstadt (DE).
CEZANNE, Bertram [DE/DE]; Bahnstrasse 74, 64546
Moerfelden-Walldorf (DE). GLEITZ, Johannes [DE/DE];
Liebigstrasse 21, 64293 Darmstadt (DE).

(74) Common Representative: MERCK PATENT GMBH;
Frankfurter Strasse 250, 64293 Darmstadt (DE).

(81) Designated states (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

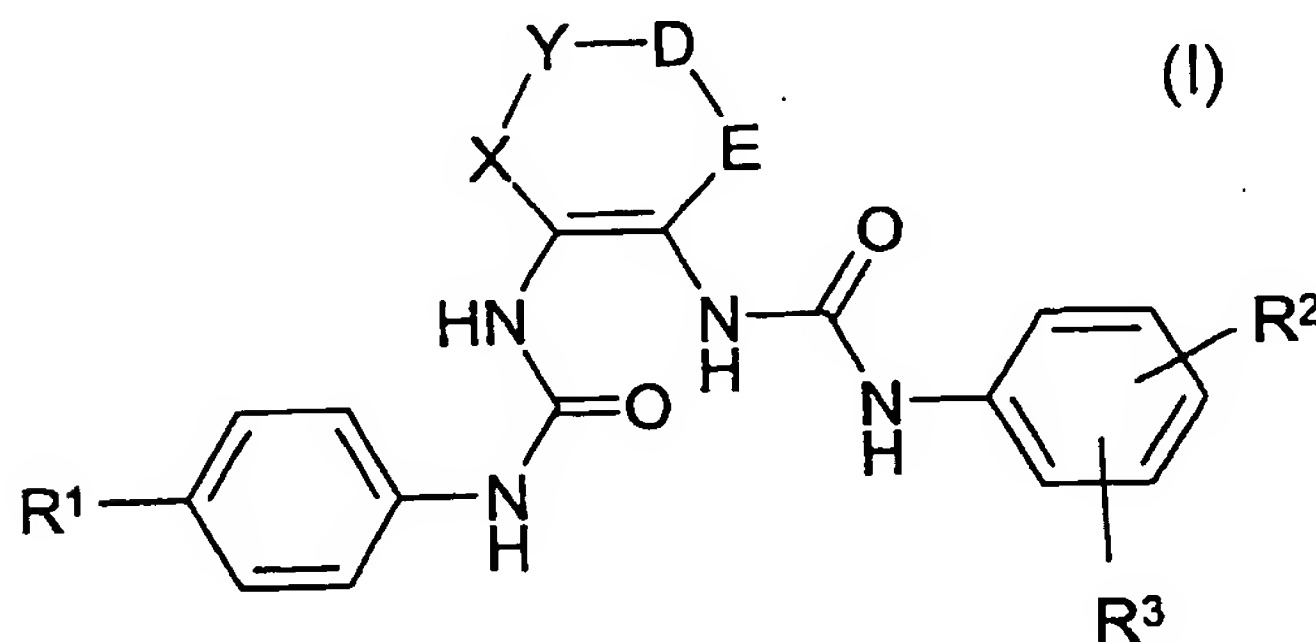
(84) Designated states (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: UREA DERIVATIVES



(57) Abstract: Novel compounds of the formula (I), in
which X-Y-D-E, R¹, R² and R³ have the meanings indica-
ted in Patent Claim 1, are inhibitors of coagulation factor
Xa and can be employed for the prophylaxis and/or
therapy of thromboembolic diseases and for the treatment
of tumours